

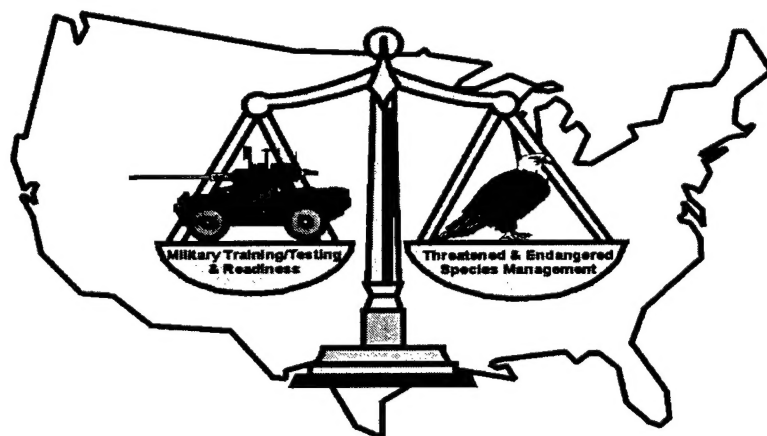


US Army Corps
of Engineers
Construction Engineering
Research Laboratories

USACERL Technical Report 98/106
July 1998

Installation Summaries From the 1997 Survey of Threatened and Endangered Species on Army Lands

by
Rachel A. Shaw, Eric R. Schreiber, Alison Hill, and Mary A. Reed



19980909 017

The Army's Environmental Quality Review (EQR) is a means by which installations report annually to Army Headquarters (HQDA) on a variety of natural resource and environmental issues. Data from the Threatened and Endangered Species (TES) portion of the 1997 EQR is summarized in this report. Installation-level data provides information on all species that occur on each installation, while species-level data lists all installations on which each species occurs. Corresponding information on such topics as Federal status, category of

species, critical habitat, informal consultations with the U.S. Fish and Wildlife Service (USFWS), and biological opinions rendered by USFWS is provided for each species.

Additional information on the status of endangered species management plans (ESMPs), planning level surveys (PLSs), and points-of-contact is available for each installation.

DATA QUALITY INDICATOR 1

The contents of this report are not to be used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products. The findings of this report are not to be construed as an official Department of the Army position, unless so designated by other authorized documents.

DESTROY THIS REPORT WHEN IT IS NO LONGER NEEDED

DO NOT RETURN IT TO THE ORIGINATOR

USER EVALUATION OF REPORT

REFERENCE: USACERL Technical Report 98/106, *Installation Summaries From the 1997 Survey of Threatened and Endangered Species on Army Lands*

Please take a few minutes to answer the questions below, tear out this sheet, and return it to USACERL. As user of this report, your customer comments will provide USACERL with information essential for improving future reports.

1. Does this report satisfy a need? (Comment on purpose, related project, or other area of interest for which report will be used.)

2. How, specifically, is the report being used? (Information source, design data or procedure, management procedure, source of ideas, etc.)

3. Has the information in this report led to any quantitative savings as far as manhours/contract dollars saved, operating costs avoided, efficiencies achieved, etc.? If so, please elaborate.

4. What is your evaluation of this report in the following areas?

a. Presentation: _____

b. Completeness: _____

c. Easy to Understand: _____

d. Easy to Implement: _____

e. Adequate Reference Material: _____

f. Relates to Area of Interest: _____

g. Did the report meet your expectations? _____

h. Does the report raise unanswered questions? _____

i. General Comments. (Indicate what you think should be changed to make this report and future reports of this type more responsive to your needs, more usable, improve readability, etc.)

5. If you would like to be contacted by the personnel who prepared this report to raise specific questions or discuss the topic, please fill in the following information.

Name: _____

Telephone Number: _____

Organization Address: _____

6. Please mail the completed form to:

Department of the Army
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES
ATTN: CECER-TR-I
P.O. Box 9005
Champaign, IL 61826-9005

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave Blank)

2. REPORT DATE
July 1998

3. REPORT TYPE AND DATES COVERED
Final

4. TITLE AND SUBTITLE
Installation Summaries From the 1997 Survey of Threatened and Endangered Species on Army Lands

5. FUNDING NUMBERS
MIPR
8203 Work Unit NT8

6. AUTHOR(S)
Rachel A. Shaw, Eric R. Schreiber, Alison Hill, and Mary A. Reed

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
U.S. Army Construction Engineering Research Laboratories (USACERL)
P.O. Box 9005
Champaign, IL 61826-9005

8. PERFORMING ORGANIZATION
REPORT NUMBER
TR 98/106

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
U.S. Army Environmental Center
ATTN: SFIM-AEC-ECN
Bldg. E4435
Aberdeen Proving Ground, MD 21010-5401

10. SPONSORING / MONITORING
AGENCY REPORT NUMBER

11. SUPPLEMENTARY NOTES
Copies are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

12a. DISTRIBUTION / AVAILABILITY STATEMENT

Approved for public release; distribution is unlimited.

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

The Army's Environmental Quality Review (EQR) is a means by which installations report annually to Army Headquarters (HQDA) on a variety of natural resource and environmental issues. Data from the Threatened and Endangered Species (TES) portion of the 1997 EQR is summarized in this report. Installation-level data provides information on all species that occur on each installation, while species-level data lists all installations on which each species occurs. Corresponding information on such topics as Federal status, category of species, critical habitat, informal consultations with the U.S. Fish and Wildlife Service (USFWS), and biological opinions rendered by USFWS is provided for each species.

Additional information on the status of endangered species management plans (ESMPs), planning level surveys (PLSs), and points-of-contact is available for each installation.

14. SUBJECT TERMS

threatened and endangered species
environmental compliance

environmental management
Environmental Quality Review (EQR)
military installation

15. NUMBER OF PAGES
66

16. PRICE CODE

17. SECURITY CLASSIFICATION
OF REPORT
Unclassified

18. SECURITY CLASSIFICATION
OF THIS PAGE
Unclassified

19. SECURITY CLASSIFICATION
OF ABSTRACT
Unclassified

20. LIMITATION OF
ABSTRACT
Unclassified

Foreword

This study was conducted for the U.S. Army Environmental Center (AEC) under Military Interdepartmental Purchase Request (MIPR) No. 8203; Work Unit NT8, "Analysis and Reporting of TES Information From FY97 EQR." The technical monitors were Mr. Scott Belfit and Ms. Mary Reed, SFIM-AEC-ECN.

The work was performed by the Natural Resource Assessment and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). Mary A. Reed, U.S. Army Environmental Center, assisted in the technical review. The USACERL Principal Investigator was Dr. Alison Hill. Dr. Balbach is Chief, CECER-LL-N, and Mr. John T. Bandy is Acting Laboratory Operations Chief, CECER-LL. The USACERL technical editor was Gloria J. Wienke, Technical Information Team.

COL James A. Walter is the Commander of USACERL, and Dr. Michael J. O'Connor is Director.

Contents

SF 298	iii
Foreword	iv
1 Introduction.....	1
Background	1
Objectives.....	1
Approach	1
Scope	2
Mode of Technology Transfer	2
2 Definitions	3
3 Changes in Federal Status From 1996	6
Delisted Species.....	6
Species With a Changed Federal Status	6
4 Summary Information.....	8
Installation Information	8
Species Information	8
Critical Habitat	10
Consultations and Biological Opinions.....	11
Endangered Species Management Plans.....	11
Planning Level Survey	11
Expenditures	12
Reference	13
Appendix A: Points of Contact, ESMP Status, PLS Status, and TES Species Found on Installations	15
Appendix B: Installations Providing Data for This Report.....	39
Appendix C: TES Species and Installations Where They Occur, and Whether Or Not Critical Habitat Has Been Designated On the Installation	43
Distribution	

1 Introduction

Background

The Army's primary mission is to provide for the national defense. However, as a Federal agency, the Army is also required to protect the Threatened and Endangered species (TES) that occur on the same lands where training of soldiers and testing of weapons are carried out. Regular data collection efforts provide the Army with information that it needs to monitor and manage TES and their habitats. Every year, installations are asked to provide Army Headquarters (HQDA) with a list of TES occurring within their boundaries and on surrounding lands, and to respond to a series of questions about these species. This information gives the Army the ability to assess the status of its TES nationwide, to plan for expenditures related to TES, and to deal proactively with any potential conflicts between TES and the military mission. The information collected will also be of use to the Major Commands (MACOMs) and individual installations in planning for and managing TES.

Objectives

The objective of this research was to analyze TES information from the 1997 Environmental Quality Review (EQR) survey. This data will help the Army plan how best to comply with its obligations under the Endangered Species Act (ESA) while carrying out its military mission.

Approach

Past TES data collection efforts have included a survey that was administered directly to installations. In fiscal year (FY) 1997, data on TES were obtained by extracting information from the EQR, which contains questions on a broad range of environmental and natural resource issues, including TES. Installations were

able to enter their responses to the EQR directly into a database via the Army's Defense Environmental Network and Information Exchange (DENIX).*

Questions on TES included Federal status, presence of critical habitat, number of informal consultations and biological opinions, and total expenditures for each species on the installation. Information was also collected on the status of the installations' Endangered Species Management Plan (ESMP) and Planning Level Survey (PLS), covering all species on the installation. Responses from the TES portion of the EQR were sent to USACERL for data cleaning and analysis. Installations were re-contacted by phone to verify their answers during the data cleaning phase.

Preliminary tables with Army-wide and MACOM breakdowns of the EQR97 TES information were sent to each MACOM for review.

Scope

The intended scope of this survey was all Army installations with onsite or contiguous species that were listed in the Federal Register in late 1997 as Threatened, Endangered, Proposed Threatened, Proposed Endangered, or Candidate species. As in previous survey years, a few installations did not respond. Some smaller installations may have lacked the technology to report data via DENIX. For practical purposes, the survey results may be taken as representing a nearly complete census of Army installations with TES species.

Mode of Technology Transfer

HQDA and MACOMs were provided cleaned and verified data in Excel 5.0 format from the EQR97 survey. This gives them the means to conduct additional analysis beyond that provided in this summary report. Preliminary tables, including some not found in this report, were provided as hard copy. The present report can be downloaded from the USACERL web page; <http://www.cec.army.mil>. Subsequent publications will provide trend information.

* DENIX has both public web pages and pages restricted to DOD-authorized users. The DENIX homepage can be accessed at <http://www.denix.osd.mil>.

2 Definitions

Biological Opinion – The document that states the opinion of the U.S. Fish and Wildlife Service (USFWS)/National Marine Fisheries Service (NMFS) as to whether or not a Federal agency's proposed action is likely to jeopardize the continued existence of a listed species or result in the destruction or adverse modification of critical habitat.

Category – Species are divided into the following categories in this report:

amphibians	birds
clams	crustaceans
fish	insects
mammals	plants
reptiles	snails

Critical Habitat – An area determined by the USFWS/NMFS to be critical to the survival of a species. Under certain circumstances, critical habitat may be designated in an area deemed favorable for the species, but where the species is not known to occur. Only a small number of the species with critical habitat actually have such habitat designated on Army installations.

Distinct Species – The term distinct species refers to the fact that a species may occur on many installations, but it is only counted once for purposes of assessing the number of species found Army-wide. For example, species X may be found on five installations, but when the total number of species is presented, species X is only counted once.

ESMP – Endangered Species Management Plan. A plan developed in accordance with Army Regulation (AR) 200-3, Chapter 11, for the management of listed or proposed species or critical habitat.

Expenditures – The total cost for managing each Federally listed Threatened or Endangered species for which funds were expended during the reporting fiscal year. Guidelines for reporting TES expenditures are provided by the USFWS. Guidance is based on the notion of "reasonably identifiable Federal Expenditures made primarily for the conservation of endangered and threatened species pursuant to this [Threatened and Endangered Species] Act."

Federal Status

- E – Federally Endangered
- T – Federally Threatened
- PE – Federally Proposed as Endangered
- PT – Federally Proposed as Threatened
- C – Candidate for Federal Listing
- C(w) – Candidate Species whose listing is “warranted but precluded” by other listing activity in the past year. No distinction is made between C and C(w) for reporting purposes.

Federal Action [Proposed Action] – Any activity permitted, funded, or conducted by a Federal agency.

Formal Consultation – The process between USFWS/NMFS and a Federal agency that commences when the Federal agency determines its action may affect a listed species or critical habitat. The Federal agency then submits a written request for consultation with USFWS/NMFS. The process concludes with the issuance of a Biological Opinion from the USFWS/NMFS, stating whether or not the action is likely to result in jeopardy to the species or adverse modification of critical habitat.

Informal Consultation – The informal consultation process precedes formal consultation and may be requested by the Federal agency, a designated non-Federal representative, or other applicant. Informal consultation may include such topics as which species occur in the proposed action area, and what effect the action may have on listed species or critical habitats. Informal consultation often concludes with USFWS/NMFS providing written concurrence with the Federal agency's determination that its action is not likely to adversely affect listed species or critical habitat.

Installation – The term installation includes active military installations, state National Guard Bureau (NGB) offices, NGB training sites, depots, Army ammunition plants, and regional support centers for the Army Reserve. Analyses in this report do not make a distinction between the various types. In some cases it was difficult to define “installation” data because some NGB state offices, for example, reported on an individual basis, while others reported at the state level.

Jeopardy Biological Opinion – A Biological Opinion issued by the USFWS or NMFS stating that a proposed action is likely to jeopardize the continued existence of listed species or result in the destruction or adverse modification of critical habitat.

Non-jeopardy Biological Opinion – A Biological Opinion issued by the USFWS or NMFS stating that a proposed action may affect, but is not likely to jeopardize the continued existence of listed species or result in adverse modification of critical habitat.

PLS – Planning Level Survey. An installation-wide inventory used to characterize essential components of the installation natural resources (e.g., landform, soil, water, and biota). Planning level surveys for TES include, at a minimum, a map showing the kinds and known distribution of TES on the installation.

Species Occurrence – An occurrence is equivalent to an individual record. For example, a TES that occurs on three installations is recorded as having three occurrences.

S/A – Similarity of Appearance. A species that closely resembles a threatened or endangered species may be given the Federal status of the species it resembles. Similarity of Appearance species are denoted with a T(S/A) or E(S/A). However, no distinction is made between S/A and TES for reporting purposes.

Species Location

Contiguous – Species known to occupy or otherwise use habitat adjacent to an installation, which may be affected by installation military activities and land management practices. Contiguous species are of concern to installations because of the possibility that they may at some future time be found on the installation.

Onsite – Species that have been documented on the installation.

TES – Threatened and Endangered Species. The term TES includes all Federally Threatened, Endangered, Proposed, and Candidate species on Army lands.

3 Changes in Federal Status From 1996

Delisted Species

Two species were delisted from the 1997 Federal Register that were reported from Army installations in the 1996 TES survey (Schreiber et al. 1997). These species include the American alligator (*Alligator mississippiensis*) and the Ramsey canyon leopard frog (*Rana subaquavocalis*). Based on the 1996 TES survey, 9 installations were affected by delisting the American alligator, and 1 installation was affected by delisting the Ramsey canyon leopard frog.

Species With a Changed Federal Status

A total of 34 species found on Army lands have changed Federal status since the 1996 TES survey (Table 1). These include 29 plants, 2 reptiles, 1 insect, 1 mammal, and 1 bird species. Only 2 of these species had a decrease in status (i.e., went to a lower category of endangerment); the remaining 32 species had an increase in status. Of the 32 species that increased in status, 27 were PE species whose status changed to E in 1997; the majority of these were Hawaiian plants.

Table 1. Species with a different Federal status from that reported in 1996.

Scientific Name	Common Name	Category	1997	1996
<i>Astragalus jaegerianus</i>	Lane Mountain Milk-vetch	Plant	PE	C
<i>Cenchrus agrimonioides</i>	Kamanomano	Plant	E	PE
<i>Chamaesyce rockii</i>	`Akoko	Plant	E	PE
<i>Clemmys muhlenbergii</i>	Bog (Northern Population) Turtle	Reptile	PT	C
<i>Cyanea acuminata</i>	Haha	Plant	E	PE
<i>Cyanea koolauensis</i>	Haha	Plant	E	PE
<i>Cyanea longiflora</i>	Haha	Plant	E	PE
<i>Cyperus trachysanthos</i>	Pu'uka'a	Plant	E	PE
<i>Cyrtandra dentata</i>	Ha'iwale	Plant	E	PE
<i>Cyrtandra subumbellata</i>	Ha'iwale	Plant	E	PE
<i>Cyrtandra viridiflora</i>	Ha'iwale	Plant	E	PE
<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	Plant	E	PE
<i>Euphorbia haeleeleana</i>	`Akoko	Plant	E	PE
<i>Felis concolor</i>	Mountain Lion	Mammal	T(S/A)	E

Scientific Name	Common Name	Category	1997	1996
<i>Gardenia mannii</i>	Nanu	Plant	E	PE
<i>Helianthus eggertii</i>	Eggert's Sunflower	Plant	T	PT
<i>Isodendron laurifolium</i>	Aupaka	Plant	E	PE
<i>Labordia cyrtandrae</i>	Kamakahala	Plant	E	PE
<i>Lepidium arbuscula</i>	`Anaunau	Plant	E	PE
<i>Lilaeopsis schaffneriana recurva</i>	Huachuca Water-umbel	Plant	E	PE
<i>Lobelia gaudichaudii koolauensis</i>	None	Plant	E	PE
<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	Insect	PE	C
<i>Myrsine juddii</i>	Kolea	Plant	E	PE
<i>Neraudia ovata</i>	None	Plant	E	PE
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	Reptile	T	PT
<i>Phyllostegia hirsuta</i>	None	Plant	E	PE
<i>Platanthera holochila</i>	None	Plant	E	PE
<i>Pritchardia kaalae</i>	Loulu	Plant	E	PE
<i>Sanicula purpurea</i>	None	Plant	E	PE
<i>Schiedea hookeri</i>	None	Plant	E	PE
<i>Schiedea kealiae</i>	Ma`oli`oli	Plant	E	PE
<i>Schiedea nuttallii</i>	None	Plant	E	PE
<i>Sterna dougallii dougallii</i>	Roseate Tern	Bird	T	E
<i>Viola oahuensis</i>	None	Plant	E	PE

4 Summary Information

Installation Information

A total of 105 installations responded to the 1997 TES portion of the EQR, by reporting that they had either onsite or contiguous species. Of those responding, 93 installations (89%) reported onsite TES, and 12 installations (11%) reported having only contiguous species (Table 2).

The 105 installations with onsite or contiguous TES include: 31 Army National Guard (ARNG), 28 Army Materiel Command (AMC), 14 Training and Doctrine Command (TRADOC), 13 Forces Command (FORSCOM), 9 U.S. Army, Pacific (USARPAC), 5 U.S. Army Reserve Command (USARC), 2 Military District of Washington (MDW), 1 Medical Command (MEDCOM), 1 Military Traffic Management Command (MTMC), and 1 U.S. Military Academy (USMA).

Appendix A provides a comprehensive list, ordered by MACOM, of the 105 installations with onsite or contiguous TES, with corresponding information on scientific name, common name, Federal status, category, and occurrence. Point-of-contact information is also provided for each installation. Appendix B provides an alphabetic list of installations and the MACOMs where they are found.

Table 2. Installation and species summary information.

	Onsite	Contiguous	Total
Number of installations	93	12 ^a	105
Number of distinct species	194	51 ^b	245
Number of species occurrences	370	137 ^c	507

^a Does not occur onsite on any installation.

^b Number of distinct species that are only found contiguous to installations.

^c All occurrences of contiguous species.

Species Information

A total of 245 distinct TES (507 occurrences) were identified from the 105 installations reporting species. These include 194 distinct onsite species (370

occurrences), and 51 distinct species that are only found contiguous to installations (137 occurrences) (Table 2).

Of the 245 distinct species, 75% are Endangered, 16% are Threatened, 6% are Candidates, 2% are Proposed Endangered, and <1% are Proposed Threatened (Figure 1). By Category, 54% of the distinct TES are plants, 16% are birds, 7% are snails, 6% are mammals, 5% are reptiles, 4% are fish, 3% are clams, 2% are amphibians and insects, and 1% are crustaceans (Figure 2).

Appendix C lists the 245 distinct TES, with corresponding installations that each occurs on, in addition to whether or not critical habitat is designated for the installation.

Of the 105 installations that reported onsite or contiguous TES, 104 reported the presence of T&E species (Table 3). A total of 223 T&E species (470 occurrences) were identified from the 104 installations reporting T&E species. Of the 223 T&E species, 175 species (345 occurrences) were identified from 91 installations reporting onsite T&E species, while 48 species (125 occurrences) were identified from 13 installations reporting contiguous T&E species (Table 3).

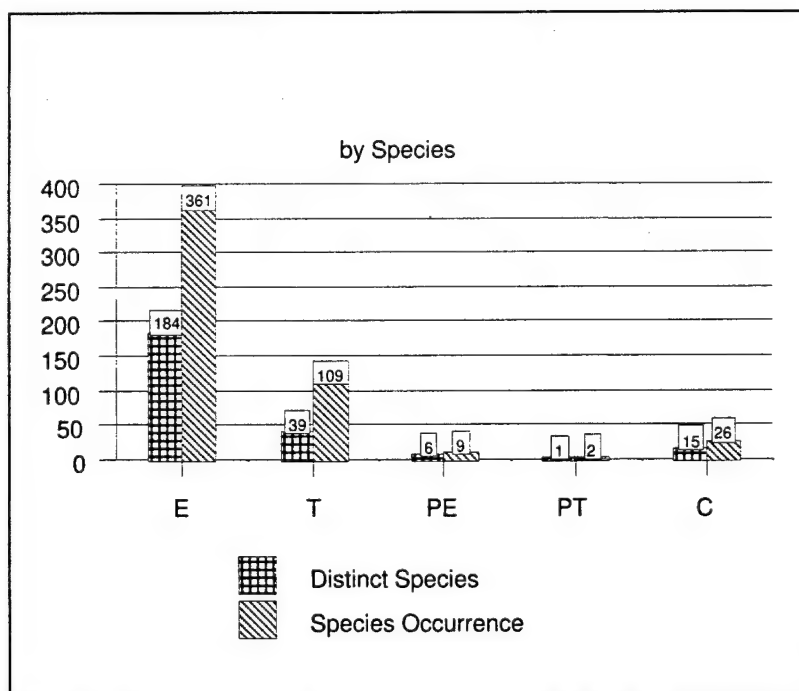


Figure 1. Federal status, by distinct species and species occurrence, for onsite and contiguous species.

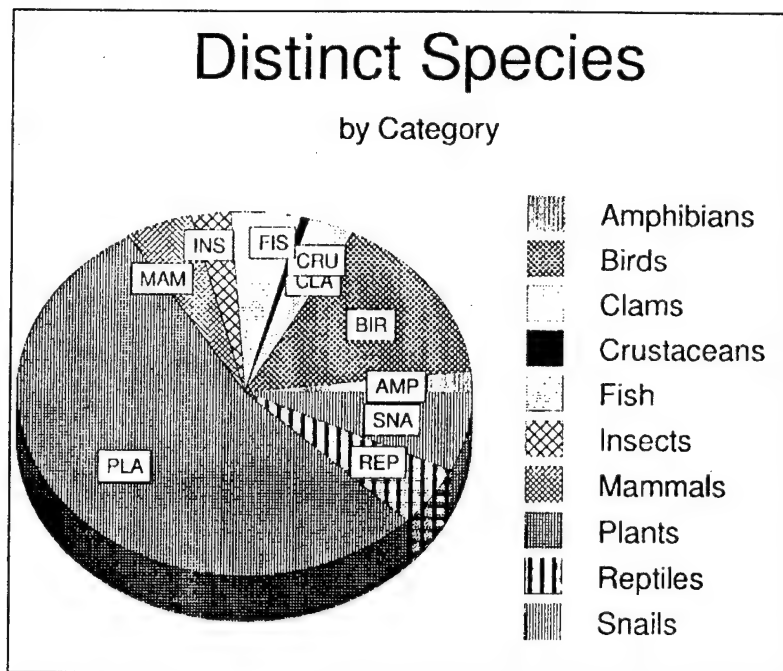


Figure 2. Distinct species, by category, for onsite and contiguous species.

Table 3. Threatened and Endangered species summary information.

	Onsite	Contiguous*	Total
Number of installations reporting T&E species	91	13	104
Number of distinct T&E species	175	48	223
Number of T&E species occurrences	345	125	470

* Does not occur onsite on any installation.

Critical Habitat

Seventeen of the 245 TES (56 occurrences) are species that have been identified by the USFWS as having critical habitat. However, this does not mean that critical habitat has actually been designated on installations where these species occur, as critical habitat is designated for specific geographic locations and the installations may not fall within these areas. In fact, only two species were confirmed by installations as having critical habitat within the boundaries of an installation: the American peregrine falcon (Camp Smith), and the desert tortoise (Fort Irwin). Three contiguous TES were also designated as having

critical habitat: the whooping crane (Nebraska State Area Command [STARC-NE]), northern spotted owl (Fort Lewis), and the Mexican spotted owl (White Sands Missile Range).

Consultations and Biological Opinions

Installations reported a total of 626 informal consultations with the USFWS or NMFS in FY 1997. As a result of the formal consultation process, 32 Biological Opinions were rendered. Thirty-one of these were Non-Jeopardy Biological Opinions, and only 1 was a Jeopardy Biological Opinion.

Endangered Species Management Plans

Each installation is required to prepare an Endangered Species Management Plan (ESMP) for listed and proposed species and species with critical habitat. Of the 93 installations reporting onsite TES, 21 have a completed ESMP, 56 have a partially completed ESMP, 5 do not have an ESMP, and 1 ESMP required revision. In addition, 7 installations reported that they were not required to prepare an ESMP, and 3 installations did not respond. Of the 12 installations reporting only contiguous TES, 3 reported that their ESMP was partially complete, while 9 reported that they did not need an ESMP. See Appendix A for the ESMP status of each installation.

Planning Level Survey

Each installation is required to prepare a Planning Level Survey (PLS) to provide natural resource managers the basis to develop plans for continued training and mission requirements, and to meet stewardship goals. Of the 93 installations reporting onsite TES, 39 have a completed PLS, 46 have a partially completed PLS, 1 required revision, and 1 installation did not have a PLS. Of the remaining 7 installations, 3 reported that they were not required to prepare a PLS, and 3 installations did not respond. Of the 12 installations reporting only contiguous TES, 3 reported that they have a completed PLS, 5 have a partially completed PLS, and 4 installations reported that they were not required to prepare a PLS. See Appendix A for the PLS status of each installation.

Expenditures

A total of \$10,325K was spent for onsite TES in 1997. By category, expenditures for onsite TES include: \$7,773K for birds, \$823K for reptiles, \$766K for mammals, \$594K for plants, \$161K for insects, \$119K for fish, \$82K for crustaceans, \$6K for amphibians, and <\$1K for clams.

An additional \$320K was spent on contiguous TES in 1997. The breakdown by category includes: \$199K for birds, \$112K for insects, \$4K for mammals, \$3K for amphibians, and \$2K for fish.

Reference

Schreiber, E.R., R.A. Shaw, A. Hill, and M.A. Reed, *Installation Summaries from the 1996 Survey of Threatened and Endangered Species on Army Lands*, Technical Report (TR) 98/19, ADA336407PAA, ([USACERL] December 1997).

Appendix A: Points of Contact, ESMP Status, PLS Status, and TES Species Found on Installations

Abbreviations for ESMP and PLS15:

CCA -- Complete: Current and Approved

DNE -- Does Not Exist

NoR -- No Response

NR -- Not Required

PCFR -- Partially Complete: Funds Required

PCNA -- Partially Complete: Plan not yet Approved

PCWP -- Partially Complete: Work in Progress

RR -- Requires Revision

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
AMC	Aberdeen Proving Ground	MD	Jim Pottie	(410) 671-4841	PCWP	PCWP	<i>Acipenser brevirostrum</i> <i>Etheostoma sellare</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Shortnose Sturgeon Maryland Darter Peregrine Falcon Bald Eagle	E E E(S/A) T	Fish Fish Bird Bird	Onsite Cont. Cont. Onsite
AMC	Adelphi Army Research Labs	MD	Robert S. Wardwell	(301) 394-1061	CCA	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
AMC	Anniston Army Depot	AL	Billy Burns	(205) 235-4217	CCA	PCWP	<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Onsite
AMC	ARDEC (Picatinny)	NJ	Jon Vandeventer	(973) 724-4691	PCFR	PCWP	<i>Clemmys muhlenbergii</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Myotis sodalis</i>	Bog (N. Population) Turtle American Peregrine Falcon Bald Eagle Indiana Bat	PT E T E	Reptile Bird Bird Mammal	Cont. Cont. Cont. Onsite
AMC	Badger AAP	WI	Douglas Rhead	(608) 356-5525	NR	NR	<i>Lespedeza leptostachya</i>	Prairie Bush-clover	T	Plant	Cont.
AMC	Blue Grass Army Depot	KY	Billye Haslett	(606) 625-6328	DNE	CCA	<i>Trifolium stoloniferum</i>	Running Buffalo Clover	E	Plant	Onsite
AMC	Deseret Chemical Depot	UT	Walt Levi	(435) 833-4434	PCFR	PCFR	<i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i>	American Peregrine Falcon Bald Eagle	E T	Bird Bird	Cont. Onsite
AMC	Dugway Proving Ground	UT	Scott Bates	(801) 831-3735	NR	NR	<i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Rana pretiosa</i>	American Peregrine Falcon Bald Eagle Oregon Spotted Frog	E T C(w)	Bird Bird Amphibian	Cont. Onsite Cont.
AMC	Holston AAP	TN	Pam Wigle	(423) 578-6322	PCFR	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
AMC	Indiana AAP	IN	Walt McClellan	(812) 284-7616	DNE	PCWP	<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
AMC	Jefferson Proving Ground	IN	Ken Knouf	(813) 273-2551	DNE	PCWP	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
AMC	Letterkenny Army Depot	PA	Randy Quinn	(717) 267-8438	DNE	CCA	<i>Clemmys muhlenbergii</i>	Bog (Northern Population) Turtle	P T	Reptile	Onsite
AMC	McAlester AAP	OK	Bill Stary	(918) 421-2611	RR	CCA	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Onsite
AMC	Newport Chemical Activity	IN	Phillip Cox/Kevin Rudduck	(765) 245-4324	PCWP	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
AMC	Pine Bluff Arsenal	AR	Charles Becker	(870) 540-2834	PCWP	RR	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
AMC	Radford AAP	VA	Charles Chase	(540) 639-8649	NR	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Cont.
							<i>Polygyris virginiensis</i>	Virginia Fringed Mountain Snail	E	Snail	Onsite
AMC	Ravenna AAP	OH	Tim Morgan	(330) 358-7311	NR	PCWP	<i>Aconitum noveboracense</i>	Northern Wild Monkshood	T	Plant	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.
AMC	Redstone Arsenal	AL	Danny Dunn	(205) 955-6970	PCWP	CCA	<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Onsite
							<i>Clematis morefieldii</i>	Morefield's Leather-flower	E	Plant	Cont.
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
							<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.
							<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Onsite
AMC	Rock Island Arsenal	IL	Rich Todd	(309) 782-2045	PCWP	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	Cont.
AMC	Rocky Mountain Arsenal	CO	Brian Anderson	(303) 289-0248	PCWP	PCW ^{1,2}	<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
AMC	Savanna Army Depot Activity	IL	Bob Speaker	(815) 273-8533	CCA	PCWP	<i>Haliaeetus leucocephalus</i> <i>Lampsilis higginsii</i> <i>Myotis sodalis</i>	Bald Eagle Higgins' Eye Pearlymussel Indiana Bat	T E E	Bird Clam Mammal	Onsite Onsite Cont.
AMC	Sierra Army Depot	CA	James M. Ryan	(530) 827-4725	NR	NR	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Peregrine Falcon Bald Eagle	E(S/A) T	Bird Bird	Cont. Cont.
AMC	Sunflower AAP	KS	Scott Smith	(913) 583-3000	NR	NR	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Peregrine Falcon Bald Eagle	E(S/A) T	Bird Bird	Cont. Cont.
AMC	Tooele Army Depot	UT	Mason Walker	(801) 833-3733	PCWP	PCWP	<i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i>	American Peregrine Falcon Bald Eagle	E T	Bird Bird	Cont. Onsite
AMC	Twin Cities AAP	MN	Douglas Rhead	(612) 633-2303	NR	NR	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
AMC	Volunteer AAP	TN	Jim Frye	(423) 855-7100	CCA	CCA	<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite
AMC	White Sands Missile Range	NM	Daisan Taylor	(505) 678-6470	PCFR	PCFR	<i>Charadrius melodus</i> <i>Charadrius montanus</i> <i>Empidonax traillii eximius</i>	Piping Plover Mountain Plover Southwestern Willow Flycatcher	T C E	Bird Bird Bird	Cont. Cont. Cont.
							<i>Falco femoralis</i> <i>septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Grus americana</i>	Whooping Crane	E	Bird	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Hedeoma todsonii</i>	Todsen's Pennyroyal	E	Plant	Onsite
							<i>Sterna antillarum</i>	Least Tern	E	Bird	Onsite
							<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Cont.
AMC	Yuma Proving Ground	AZ	Junior D. Kerns	(521) 328-2148	NR	CCA	<i>Gopherus agassizii</i>	Sonoran population of the Desert Tortoise	T(S/A)	Reptile	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite Cont.
ARNG	Camp Adair	OR	Greg Mitchell	(503) 945-3851	PCWP	CCA	<i>Sidalcea nelsoniana</i>	Nelson's Checker-mallow	T	Plant	Onsite
ARNG	Camp Beauregard	LA	CW2 Carl Thompson	(318) 641-8309	PCNA	NR	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	Cont.
ARNG	Camp Blanding TS	FL	Philip Hall	(904) 533-3456	PCNA	PCWP	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.
ARNG	Camp Grafton	ND	MAJ Gary Yantzer	(701) 224-5287	CCA	PCWP	<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Onsite
ARNG	Camp Grayling	MI	John Hunt/Greg Huntington	(517) 348-3600	PCNA	CCA	<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Onsite
ARNG	Camp Gruber	OK	Nancy Davis	(918) 487-6223	CCA	CCA	<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	Onsite
ARNG	Camp Guernsey	WY	David Palmer	(307) 772-5285	NR	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Camp Joseph T. Robinson	AR	Kerry Kohler	(501) 212-5886	NR	PCWP	<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
ARNG	Camp Murray	WA	Ted Arnold	(253) 512-8466	PCWP	NR	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Rhododendron chapmanii</i>	Chapman Rhododendron	E	Plant	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Ursus americanus floridanus</i>	Florida Black Bear	C(w)	Mammal	Onsite
ARNG	Camp Grafton	ND	MAJ Gary Yantzer	(701) 224-5287	CCA	PCWP	<i>Charadrius melodus</i>	Piping Plover	T	Bird	Onsite
ARNG	Camp Grayling	MI	John Hunt/Greg Huntington	(517) 348-3600	PCNA	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.
ARNG	Camp Gruber	OK	Nancy Davis	(918) 487-6223	CCA	CCA	<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Onsite
ARNG	Camp Guernsey	WY	David Palmer	(307) 772-5285	NR	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Camp Joseph T. Robinson	AR	Kerry Kohler	(501) 212-5886	NR	PCWP	<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Onsite
ARNG	Camp Murray	WA	Ted Arnold	(253) 512-8466	PCWP	NR	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Clematis hirsutissima</i> var. <i>arizonica</i>	Arizona Leatherflower	C	Plant	Onsite
ARNG	Camp Navajo	AZ	Don Hack	(520) 773-3274	CCA	PCWP	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
ARNG	Camp Rilea	OR	Greg Mitchell	(503) 945-3851	PCWP	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Onsite
							<i>Brachyramphus marmoratus</i>	Marbled Murrelet	T	Bird	Cont.
							<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Pelecanus occidentalis</i>	Brown Pelican	E	Bird	Cont.
							<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite
							<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	Cont.
							<i>Canis lupus</i>	Gray Wolf	T	Mammal	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Camp Shelby	MS	MAJ Bob Piazza	(601) 973-6109	PCWP	PCWP	<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Onsite
							<i>Isoetes louisianensis</i>	Louisiana Quillwort	E	Plant	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.
							<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Cont.
ARNG	Camp Smith	NY	MAJ Warnecke	(518) 786-4318	PCNA	CCA	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Cont.
ARNG	Delaware ARNG	DE	CPT Scott Ralph/Sgt Colen Waters	(302) 326-7132	NR	CCA					
ARNG	Fort Pickett - MATES	VA	Paul Clark	(804) 292-8501	PCWP	PCWP	<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Onsite
ARNG	Leesburg TS	SC	C. Bryan Hall	(803) 806-2236	PCWP	PCWP	<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite
ARNG	Lil Aaron Straus Wilderness Area	MD	CPT Chris Cole	(410) 576-6132	PCWP	PCWP	<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.							
ARNG	MO ARNG HQ	MO	Bob Harms	(573) 526-9910	PCWP	CCA	<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Cont.							
							<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Cont.							
							<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Cont.							
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite							
							<i>Lampsilis abrupta</i>	Pink Mucket Pearlmussel	E	Clam	Cont.							
							<i>Lindera melissifolia</i>	Pondberry	E	Plant	Cont.							
							<i>Macrhybopsis gelida</i>	Sturgeon Chub	C	Fish	Cont.							
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite							
							<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.							
							<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Cont.							
ARNG	Regional Training Institute	NH	Zachary Boyajian	(603) 228-1135	NR	PCWP	<i>Notropis topeka</i>	Topeka Shiner	C	Fish	Cont.							
							<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Cont.							
							<i>Sterna antillarum</i>	Least Tern	E	Bird	Onsite							
							<i>Isoletia medeoloides</i>	Small Whorled Pogonia	T	Plant	Cont.							
							ARNG	STARC - HI	HI	Melissa Dumaran	(808) 733-4265	PCWP	PCWP	<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Onsite
														<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Onsite
														<i>Colubrina oppositifolia</i>	Kaulia	E	Plant	Onsite
														<i>Cyperus trachysanthos</i>	Pu'uuka'a	E	Plant	Onsite
														<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	Onsite
														<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Onsite
<i>Haplostachys haplostachya</i>	None	E	Plant	Onsite														
<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	Onsite														
ARNG							<i>Isodendron hosakae</i>	Aupaka	E	Plant	Onsite							
							<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Onsite							

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
ARNG	STARC HQ	CA	Doug Bryceson	(916) 854-3456	PCNA	PCWP	<i>Linnaea venosa</i>	None	E	Plant	Onsite
							<i>Loxops coccineus</i>	Hawaii 'Akepa	E	Bird	Onsite
							<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	PE	Insect	Onsite
							<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Onsite
							<i>Nothocestrum breviflorum</i>	'Alea	E	Plant	Onsite
							<i>Oreomyza mana</i>	Hawaii Creeper	E	Bird	Onsite
							<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Onsite
							<i>Pterodroma phaeopygia sandwicensis</i>	Hawaiian Dark-rumped Petrel	E	Bird	Onsite
							<i>Puffinus auricularis newelli</i>	Newell's Townsend's Shearwater	T	Bird	Onsite
							<i>Schiedea adamantis</i>	Diamond Head Schiedea	E	Plant	Onsite
							<i>Sesbania tomentosa</i>	'Ohai	E	Plant	Onsite
							<i>Spermolepis hawaiiensis</i>	None	E	Plant	Onsite
							<i>Stenogyne angustifolia</i>	None	E	Plant	Onsite
							<i>Tetramolopium arenarium</i>	None	E	Plant	Onsite
							<i>Vigna o-wahuensis</i>	None	E	Plant	Onsite
							<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	Onsite
							<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite
							<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Cont.
							<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Onsite
							<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite
							<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
ARNG	STARC - KS	KS	MAJ John Andrew	(785) 274-1151	DNE	DNE	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Onsite
ARNG	STARC - NE	NE	Dave Wannabolt	(402) 471-7136	NR	PCWP	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Cont.
							<i>Grus americana</i>	Whooping Crane	E	Bird	Cont.
							<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Cont.
							<i>Sterna antillarum</i>	Least Tern	E	Bird	Cont.
							<i>Vulpes velox</i>	Swift Fox	C(w)	Mammal	Cont.
ARNG	STARC - TX	TX	Paul Powell	(512) 465-5001	PCWP	CCA	<i>Hymenoxys texana</i>	Texas Prairie Dawn-flower	E	Plant	Onsite
							<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Onsite
ARNG	State Military Reservation	NH	Zachary Boyajian	(603) 228-1135	NR	PCWP	<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Cont.
ARNG	State Wide Regulatory/Programs	NV	Loren Brazell	(702) 887-7379	PCWP	CCA	<i>Empidonax trailii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
ARNG	Stout Field/OMS 5 (Atterbury T.S.)	IN	MAJ Richard W. Jones	(317) 247-3105	PCWP	PCWP	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
ARNG	Tullahoma TS	TN	Dan Fulkerson	(615) 313-0604	PCWP	PCWP	<i>Helianthus eggertii</i>	Eggert's Sunflower	T	Plant	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Cont.
ARNG	UT ARNG HQ	UT	Douglas Johnson	(801) 253-5658	PCNA	CCA	<i>Arctomecon humilis</i>	Dwarf Bear Poppy	E	Plant	Onsite
							<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	Cont.
ARNG	Wendell H. Ford Regional TS	KY	Johanna Arnold	(502) 564-9230	CCA	CCA	<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
FORSCOM	Chas E. Kelly (Oakdale SPT FAC)	PA	Donald Floding	(412) 693-1926	NR	PCNA	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/Cont.
FORSCOM	Fort Bragg	NC	Scott Bebb	(910) 432-5325	PCWP	PCWP	<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
							<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Onsite
							<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Onsite
FORSCOM	Fort Buchanan	PR	Tony Perez	(787) 273-3508	PCWP	CCA	<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Reptile	Onsite
							<i>Oitoschulzia rhodoxylon</i>	Palo de Rosa	E	Plant	Onsite
FORSCOM	Fort Campbell	KY	Jeff Jones	(502) 798-9825	NR	PCWP	<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Cont.
							<i>Dromius dromas</i>	Dromedary Pearlymussel	E	Clam	Cont.
							<i>Epioblasma walkeri</i>	Tan Riffleshell	E	Clam	Cont.
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Cont.
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Cont.
							<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.
							<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	T	Reptile	Cont.
							<i>Obovaria retusa</i>	Ring Pink Mussel	E	Clam	Cont.
							<i>Plethobasus cooperianus</i>	Orange-foot Pimple Back Pearlymussel	E	Clam	Cont.
							<i>Pleurobema plenum</i>	Rough Pigtoe	E	Clam	Cont.
							<i>Quadrula fragosa</i>	Winged Mapleleaf Mussel	E	Clam	Cont.
							<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Onsite
							<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Onsite
FORSCOM	Fort Carson	CO	Rick Bund	(719) 576-8075	PCWP	CCA	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Oncorhynchus clarki stornias</i>	Greenback Cutthroat Trout	T	Fish	Onsite
							<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Cont.
							<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Onsite
							<i>Zapus hudsonius preblei</i>	Preble's Meadow Jumping Mouse	PE	Mammal	Cont.
							<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Grus americana</i>	Whooping Crane	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Onsite
							<i>Asragalus jaegerianus</i>	Lane Mountain Milk-vetch	PE	Plant	Onsite
							<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Onsite
							<i>Rana pretiosa</i>	Oregon Spotted Frog	C(w)	Amphibian	Cont.
							<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	Cont.
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Charadrius melodus</i>	Piping Plover	T	Bird	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Notropis topeka</i>	Topeka Shiner	C	Fish	Onsite
							<i>Sterna antillarum</i>	Least Tern	E	Bird	Onsite
							<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Onsite
							<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
FORSCOM	Pinon Canyon Maneuver Site	CO	Rick Bund	(719) 576-8075	PCWP	PCWP	<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Onsite
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
FORSCOM	Yakima TC	WA	Margaret Pounds	(509) 577-3151	CCA	PCWP	<i>Vulpes velox</i>	Swift Fox	C(w)	Mammal	Onsite
							<i>Erigeron basalticus</i>	Basalt daisy	C	Plant	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
MDW	Fort A.P. Hill	VA	Terry Banks	(804) 633-8255	PCWP	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Helonias bullata</i>	Swamp Pink	T	Plant	Onsite
							<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	Plant	Onsite
MDW	Fort Belvoir	VA	Patrick McLaughlin	(703) 806-4007	CCA	PCWP	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
MEDCOM	Fort Sam Houston	TX	John L. Brennenman	(210) 221-4842	CCA	PCWP	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Onsite
							<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Onsite
MTMC	Sunny Point	NC	Tony Gaw	(910) 457-8429	PCWP	PCWP	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Cont.
							<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	Plant	Cont.
							<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	Reptile	Cont.
							<i>Charadrius melodus</i>	Piping Plover	T	Bird	Cont.
							<i>Chelonia mydas</i>	Green Sea Turtle	T	Reptile	Cont.
							<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	Reptile	Cont.
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Cont.
							<i>Felis concolor</i>	Mountain Lion	T(S/A)	Mammal	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.
							<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	Reptile	Cont.
							<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
							<i>Mycteria americana</i>	Wood Stork	E	Bird	Cont.
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
TRADOC	Fort Benning	GA	John Brent	(706) 545-2180	PCWP	PCFR	<i>Sterna dougallii dougallii</i>	Roseate Tern	T	Bird	Cont.
							<i>Thalicttrum cooleyi</i>	Cooley's Meadowrue	E	Plant	Cont.
							<i>Trichechus manatus</i>	West Indian Manatee	E	Mammal	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
TRADOC	Fort Bliss	NM	Dr. Jim Hartman	(915) 568-6697	PCFR	PCFR	<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite
							<i>Charadrius montanus</i>	Mountain Plover	C	Bird	NR
TRADOC	Fort Gordon	GA	Stephen C. Willard	(706) 791-2403	CCA	PCWP	<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Sneed Pincushin Cactus	E	Plant	Onsite
							<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	Kuenzler Hedgehog Cactus	E	Plant	Cont.
							<i>Empidonax traillii eximius</i>	Southwestern Willow Flycatcher	E	Bird	Onsite
							<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Cont.
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Hedeoma todsenii</i>	Todsen's Pennyroyal	E	Plant	Cont.
							<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Onsite
							<i>Microphorus americanus</i>	American Burying Beetle	E	Insect	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Cont.
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
TRADOC	Fort Eustis	VA	Stephen A. McCall	(757) 878-4123	PCWP	PCWP	<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/Cont.
TRADOC	Fort Huachuca	AZ	Sheridan Stone	(520) 533-7084	NoR	NoR	<i>Ambystoma tigrinum stebbinsi</i>	Sonoran Tiger Salamander	E	Amphibian	Onsite
							<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Cont.
							<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	Onsite
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Leptonycteris curasoae yerbabuena</i>	Lesser Long-nosed Bat	E	Mammal	Onsite
							<i>Lilaeopsis schaffneriana ssp. recurva</i>	Huachuca Water-umbel	E	Plant	Onsite
							<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	Snail	Onsite
							<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	Onsite
							<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Onsite
							<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite
TRADOC	Fort Jackson	SC	Bruce Cole	(803) 751-7927	NoR	NoR	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
TRADOC	Fort Knox	KY	Albert Freeland	(502) 624-3629	CCA	PCWP	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
							<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
TRADOC	Fort Leonard Wood	MO	Scott L. Murrell	(573) 596-0882	CCA	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite
							<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Onsite
							<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Onsite
TRADOC	Fort McClellan	AL	Ronald M. Levy	(205) 848-3539	CCA	CCA	<i>Marshallia mohrii</i>	Mohr's Barbara's Buttons	T	Plant	Onsite
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.
							<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Onsite
TRADOC	Fort Rucker	AL	Kenneth D. Eisele	(334) 255-2541	CCA	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.
							<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Cont.
TRADOC	Fort Sill	OK	Glen Wampler	(580) 442-4324	PCFR	PCWP	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Onsite
TRADOC	POM Annex	CA	Jane Holte	(408) 242-7917	NoR	NoR	<i>Anniella pulchra nigra</i>	Black Legless Lizard	PE	Reptile	Onsite
							<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Onsite
							<i>Chorizanthe pungens var. pungens</i>	Monterey Spineflower	T	Plant	Onsite
							<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Onsite
							<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Onsite
							<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Gilia	E	Plant	Onsite
							<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Onsite
							<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Cont.
USARC	Devens RFTA	MA	Tom Poole	(978) 796-2747	PCWP	CCA	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
USARC	Fort Hunter Liggett	CA	Liz Clark	(408) 386-2791	PCWP	PCWP	<i>Ambystoma californiense</i>	California Tiger Salamander	C(w)	Amphibian	Onsite
							<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite
							<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite
							<i>Chlorogalum purpureum var. purpureum</i>	Purple Amole	C	Plant	Onsite
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Gymnogyps californianus</i>	California Condor	E	Bird	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
USARC	Fort McCoy	WI	Tim Wilder	(608) 388-5459	CCA	PCWP	<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Cont.
							<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite
							<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Onsite
							<i>Canis lupus</i>	Gray Wolf	E	Mammal	Cont.
							<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Onsite
USARC	Martinez Reserve Center	FL	John Nettles	(305) 378-4822	CCA	CCA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
							<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Onsite
							<i>Chamaesyce deltoidea ssp. deltoidea</i>	Deltoid Spurge	E	Plant	Onsite
							<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Onsite
							<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Cont.
USARPAC	Dillingham TA	HI	Raimo Lias	(808) 656-2878	PCWP	CCA	<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Onsite
							<i>Cyperus trachysanthos</i>	Pu'uka'a	E	Plant	Onsite
							<i>Fulca americana alai</i>	Hawaiian Coot	E	Bird	Onsite
							<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Onsite
							<i>Hibiscus brackenridgei</i>	Ma'o Hau Hele	E	Plant	Cont.
USARPAC	Fort Greely	AK	William Gossweller	(907) 384-3017	PCWP	CCA	<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	Onsite
							<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	Onsite
							<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite
							<i>Schideea kealiae</i>	Ma'oli'oli	E	Plant	Onsite
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
USARPAC	Fort Richardson	AK	William Gossweller	(907) 384-3017	PCWP	CCA	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
							<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
USARPAC	Fort Wainwright	AK	William Gossweller	(907) 384-3017	PCWP	CCA	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
USARPAC	Kahuku TA	HI	Raimo Lias	(808) 656-2878	PCWP	CCA	<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Cont.
							<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Cont.
							<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Cont.
							<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Cont.
							<i>Adenophorus periens</i>	Pendant Kihī Fern	E	Plant	Onsite
							<i>Chamaesyce rockii</i>	'Akoko	E	Plant	Cont.
							<i>Chasleria</i>	Oahu Elepaio	C	Bird	Cont.
							<i>sandwichensis ibidis</i>				
							<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha	E	Plant	Cont.
							<i>Cyanea koolauensis</i>	Haha	E	Plant	Onsite
							<i>Cyanea longiflora</i>	Haha	E	Plant	Onsite
							<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite
							<i>Gardenia mannii</i>	Nanu	E	Plant	Onsite
							<i>Hesperomannia arborescens</i>	None	E	Plant	Onsite
							<i>Phyllostegia hirsuta</i>	None	E	Plant	Cont.
							<i>Solanum sandwicense</i>	Popolo 'Aiakeakua	E	Plant	Cont.
							<i>Tetraplasandra gymnocarpa</i>	'Ohe'ohe	E	Plant	Onsite
USARPAC	Kawailoa TA	HI	Raimo Lias	(808) 656-2878	PCWP	CCA	<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella leucoraphe</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella pulcherima</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Adenophorus periens</i>	Pendant Kihī Fern	E	Plant	Onsite
							<i>Chamaesyce rockii</i>	*Akoko	E	Plant	Onsite
							<i>Chasiempis sandwichensis ibidis</i>	Oahu Elepaio	C	Bird	Onsite
							<i>Cyanea acuminata</i>	Haha	E	Plant	Onsite
							<i>Cyanea crispa</i>	None	E	Plant	Onsite
							<i>Cyanea grimesiana ssp. grimesiana</i>	Haha	E	Plant	Onsite
							<i>Cyanea koolauensis</i>	Haha	E	Plant	Onsite
							<i>Cyanea longiflora</i>	Haha	E	Plant	Onsite
							<i>Cyrtandra dentata</i>	Ha'iwale	E	Plant	Onsite
							<i>Cyrtandra viridiflora</i>	Ha'iwale	E	Plant	Onsite
							<i>Delissea subcordata</i>	*Oha	E	Plant	Cont.
							<i>Eugenia koolauensis</i>	Nioi	E	Plant	Cont.
							<i>Gardenia mannii</i>	Nanu	E	Plant	Onsite
							<i>Hesperomannia arborescens</i>	None	E	Plant	Onsite
							<i>Labordia cyrtandrae</i>	Kamakahala	E	Plant	Onsite
							<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Onsite
							<i>Lobelia gaudichaudii ssp. koolauensis</i>	None	E	Plant	Onsite
							<i>Lobelia oahuensis</i>	None	E	Plant	Onsite
							<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Myrsine juddii</i>	Kolea	E	Plant	Onsite
							<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Onsite
							<i>Phlegmariurus nutans</i>	Wawae'iole	E	Plant	Onsite
							<i>Phyllostegia hirsuta</i>	None	E	Plant	Onsite
							<i>Phyllostegia parviflora</i>	None	E	Plant	Onsite
							<i>Plantago princeps</i> var. <i>longibracteata</i>	Laukahi Kuahiwi	E	Plant	Onsite
							<i>Platanthera holochila</i>	None	E	Plant	Cont.
							<i>Pteris lidgatei</i>	None	E	Plant	Onsite
							<i>Sanicula purpurea</i>	None	E	Plant	Onsite
							<i>Tetraplasandra gymnocarpa</i>	'Ohe 'ohe	E	Plant	Onsite
							<i>Viola oahuensis</i>	None	E	Plant	Onsite
USARPAC	Makua Military Reservation	HI	Raimo Lias	(808) 656-2878	PCWP	CCA	<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Alectryon macrococcus</i>	Mahoe	E	Plant	Onsite
							<i>Alsinidendron obovatum</i>	None	E	Plant	Onsite
							<i>Bonamia menziesii</i>	None	E	Plant	Onsite
							<i>Caesalpinia kavaiense</i>	Uhiuhi	E	Plant	Onsite
							<i>Cenchrus agrimonoides</i>	Kamanomano	E	Plant	Onsite
							<i>Chasiempis sandwichensis ibidis</i>	Oahu Elepaio	C	Bird	Onsite
							<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.
							<i>Cyanea superba</i>	None	E	Plant	Onsite
							<i>Delissea subcordata</i>	'Oha	E	Plant	Cont.
							<i>Diellia falcata</i>	None	E	Plant	Onsite
							<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Onsite
							<i>Euphorbia haeleeleana</i>	'Akoko	E	Plant	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
USARPAC	Pohakuloa TA	HI	Raimo Liias	(808) 656-2878	PCWP	CCA	<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite
							<i>Hedyotis parvula</i>	None	E	Plant	Onsite
							<i>Lepidium arbuscula</i>	Anaunau	E	Plant	Onsite
							<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite
							<i>Lobelia niihauensis</i>	None	E	Plant	Cont.
							<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite
							<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite
							<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite
							<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Onsite
							<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwi	E	Plant	Onsite
							<i>Pritchardia kaalae</i>	Loulu	E	Plant	Onsite
							<i>Sanicula maritima</i>	None	E	Plant	Onsite
							<i>Schiedea hookeri</i>	None	E	Plant	Onsite
							<i>Schiedea nuttallii</i>	None	E	Plant	Onsite
							<i>Silene lanceolata</i>	None	E	Plant	Onsite
							<i>Spermolepis hawaiiensis</i>	None	E	Plant	Onsite
							<i>Tetramolopium filiforme</i>	None	E	Plant	Onsite
							<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	None	E	Plant	Cont.
							<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Onsite
							<i>Asplenium fragile</i> var. <i>insulare</i>	Fragile Fern	E	Plant	Onsite
							<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Onsite
							<i>Corvus hawaiiensis</i>	Hawaiian Crow	E	Bird	Cont.

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Haplostachys</i>	None	E	Plant	Onsite
							<i>haplostachya</i>				
							<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite
							<i>Hernignathus munroi</i>	'Akiapola'au	E	Bird	Onsite
							<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Onsite
							<i>Loxioides bailleui</i>	Pallia	E	Bird	Onsite
							<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Cont.
							<i>Neraudia ovata</i>	None	E	Plant	Onsite
							<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Onsite
							<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Cont.
							<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Onsite
							<i>Psittirostra psittacea</i>	'O'u	E	Bird	Cont.
							<i>Pterodroma phaeopygia sandwicensis</i>	Hawaiian Dark-rumped Petrel	E	Bird	Cont.
							<i>Silene hawaiiensis</i>	None	T	Plant	Onsite
							<i>Silene lanceolata</i>	None	E	Plant	Onsite
							<i>Solanum incompletum</i>	Popolo Ku Mai	E	Plant	Onsite
							<i>Spermolepis hawaiiensis</i>	None	E	Plant	Onsite
							<i>Stenogyne angustifolia</i>	None	E	Plant	Onsite
							<i>Tetramolopium arenarium</i>	None	E	Plant	Onsite
							<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	Onsite
USARPAC	Schofield Barracks Military Reservation	HI	Raimo Liras	(808) 656-2878	PCWP	CCA	<i>Abutilon sandwicense</i>	None	E	Plant	Cont.
							<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella leucoraphe</i>	Pupu Kuahiwi	E	Snail	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite
							<i>Alectryon macrococcus</i>	Mahoe	E	Plant	Onsite
							<i>Alsinidendron trinerve</i>	None	E	Plant	Onsite
							<i>Cenchrus agrimonoides</i>	Kamanomano	E	Plant	Onsite
							<i>Chamaesyce rockii</i>	'Akoko	E	Plant	Onsite
							<i>Chastempis sandwicensis ibidis</i>	Oahu Elepaio	C	Bird	Onsite
							<i>Ctenitis squamiera</i>	Paoua	E	Plant	Cont.
							<i>Cyanea acuminata</i>	Haha	E	Plant	Onsite
							<i>Cyanea grimesiana ssp. grimesiana</i>	Haha	E	Plant	Onsite
							<i>Cyanea grimesiana ssp. obatae</i>	Haha	E	Plant	Cont.
							<i>Cyanea koolauensis</i>	Haha	E	Plant	Onsite
							<i>Cyanea longiflora</i>	Haha	E	Plant	Onsite
							<i>Cyanea superba</i>	None	E	Plant	Onsite
							<i>Cyrtandra subumbellata</i>	Ha'iwale	E	Plant	Onsite
							<i>Delissea subcordata</i>	'Oha	E	Plant	Cont.
							<i>Diellia falcata</i>	None	E	Plant	Onsite
							<i>Diplazium molokaiense</i>	None	E	Plant	Cont.
							<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	E	Plant	Cont.
							<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Cont.
							<i>Gardenia mannii</i>	Nanu	E	Plant	Onsite
							<i>Hesperomannia</i>	None	E	Plant	Onsite
							<i>Isodendron laurifolium</i>	Aupaka	E	Plant	Onsite
							<i>Labordia cyrtandrae</i>	Kamakahala	E	Plant	Onsite
							<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Onsite
							<i>Lepidium arbuscula</i>	'Anaunau	E	Plant	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
							<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	Nehe	E	Plant	Cont.
							<i>Lobelia niihauensis</i>	None	E	Plant	Onsite
							<i>Lobelia oahuensis</i>	None	E	Plant	Onsite
							<i>Nerardia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite
							<i>Nerardia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite
							<i>Nototrichium humile</i>	Kulu'i	E	Plant	Cont.
							<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Onsite
							<i>Phlegmariurus nutans</i>	Wawae'iole	E	Plant	Cont.
							<i>Phyllostegia hirsuta</i>	None	E	Plant	Onsite
							<i>Phyllostegia mollis</i>	None	E	Plant	Cont.
							<i>Pritchardia kaalae</i>	Loulu	E	Plant	Cont.
							<i>Pteris lidaatei</i>	None	E	Plant	Onsite
							<i>Sanicula purpurea</i>	None	E	Plant	Onsite
							<i>Schiedea hookeri</i>	None	E	Plant	Onsite
							<i>Schiedea nuttallii</i>	None	E	Plant	Cont.
							<i>Solanum sandwicense</i>	Popolo 'Aiakeakua	E	Plant	Cont.
							<i>Stenogyne kanehoana</i>	None	E	Plant	Cont.
							<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	None	E	Plant	Cont.
							<i>Tetraplasandra gymnocarpa</i>	'Ohe'ohe	E	Plant	Onsite
							<i>Urera kaalae</i>	Opuhe	E	Plant	Onsite
							<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Onsite
							<i>Viola oahuensis</i>	None	E	Plant	Onsite

MACOM	Installation	State	POC	Phone	ESMP	PLS	Scientific Name	Common Name	Fed Stat	Category	Onsite/ Cont.
USMA	West Point	NY	Eugene Rood	(914) 938-3415	CCA	PCNA	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Onsite
							<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite

Appendix B: Installations Providing Data for This Report

Installation	MACOM
Aberdeen Proving Ground	AMC
Adelphi Army Research Labs	AMC
Anniston Army Depot	AMC
ARDEC (Picatinny)	AMC
Badger AAP	AMC
Blue Grass Army Depot	AMC
Camp Adair	ARNG
Camp Beauregard	ARNG
Camp Blanding TS	ARNG
Camp Grafton	ARNG
Camp Grayling	ARNG
Camp Gruber	ARNG
Camp Guernsey	ARNG
Camp Joseph T. Robinson	ARNG
Camp Murray	ARNG
Camp Navajo	ARNG
Camp Rilea	ARNG
Camp Ripley	ARNG
Camp Shelby	ARNG
Camp Smith	ARNG
Chas E. Kelly (Oakdale SPT FAC)	FORSCOM
Delaware ARNG	ARNG
Deseret Chemical Depot	AMC
Devens RFTA	USARC
Dillingham TA	USARPAC
Dugway Proving Ground	AMC
Fort A.P. Hill	MDW
Fort Belvoir	MDW
Fort Benning	TRADOC
Fort Bliss	TRADOC
Fort Bragg	FORSCOM
Fort Buchanan	FORSCOM
Fort Campbell	FORSCOM
Fort Carson	FORSCOM
Fort Chaffee	TRADOC

Installation	MACOM
Fort Eustis	TRADOC
Fort Gordon	TRADOC
Fort Greely	USARPAC
Fort Hood	FORSCOM
Fort Huachuca	TRADOC
Fort Hunter Liggett	USARC
Fort Irwin	FORSCOM
Fort Jackson	TRADOC
Fort Knox	TRADOC
Fort Lee	TRADOC
Fort Leonard Wood	TRADOC
Fort Lewis	FORSCOM
Fort McClellan	TRADOC
Fort McCoy	USARC
Fort Pickett - MATES	ARNG
Fort Polk	FORSCOM
Fort Richardson	USARPAC
Fort Riley	FORSCOM
Fort Rucker	TRADOC
Fort Sam Houston	MEDCOM
Fort Sill	TRADOC
Fort Stewart	FORSCOM
Fort Wainwright	USARPAC
Holston AAP	AMC
Indiana AAP	AMC
Jefferson Proving Ground	AMC
Kahuku TA	USARPAC
Kawailoa TA	USARPAC
Leesburg TS	ARNG
Letterkenny Army Depot	AMC
Lil Aaron Straus Wilderness Area	ARNG
Makua Military Reservation	USARPAC
Martinez Reserve Center	USARC
McAlester AAP	AMC
MO ARNG HQ	ARNG
Newport Chemical Chemical	AMC
Parks RFTA	USARC
Pine Bluff Arsenal	AMC
Pinon Canyon Maneuver Site	FORSCOM
Pohakuloa TA	USARPAC
POM Annex	TRADOC
Radford AAP	AMC
Ravenna AAP	AMC
Redstone Arsenal	AMC

Installation	MACOM
Regional Training Institute	ARNG
Rock Island Arsenal	AMC
Rocky Mountain Arsenal	AMC
Savanna Army Depot Activity	AMC
Schofield Barracks Military Reservation	USARPAC
Sierra Army Depot	AMC
STARC - HI	ARNG
STARC - KS	ARNG
STARC - NE	ARNG
STARC - TX	ARNG
STARC HQ	ARNG
State Military Reservation	ARNG
State Wide Regulatory/Programs	ARNG
Stout Field/OMS 5 (Atterbury T.S.)	ARNG
Sunflower AAP	AMC
Sunny Point	MTMC
Tooele Army Depot	AMC
Tulahoma TS	ARNG
Twin Cities AAP	AMC
UT ARNG HQ	ARNG
Volunteer AAP	AMC
Wendell H. Ford Regional TS	ARNG
West Point	USMA
White Sands Missile Range	AMC
Yakima TC	FORSCOM
Yuma Proving Ground	AMC

Appendix C: TES Species and Installations Where They Occur, and Whether Or Not Critical Habitat Has Been Designated On the Installation

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Abutilon sandwicense</i>	None	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kahuku TA	Contiguous	NA
<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kahuku TA	Contiguous	NA
<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kahuku TA	Contiguous	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	USARPAC	Kahuku TA	Contiguous	NA
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	AMC	Aberdeen PG	Onsite	NA
				ARNG	Camp Smith	Contiguous	NA
				ARNG	Delaware ARNG	Contiguous	NA
				FORSCOM	Fort Stewart	Onsite	NA
				USMA	West Point	Onsite	NA
				MTMC	Sunny Point	Contiguous	NA
<i>Aconitum noveboracense</i>	Northern Wild Monkshood	T	Plant	AMC	Ravenna AAP	Contiguous	NA
<i>Adenophorus periens</i>	Pendant Kihī Fern	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
<i>Alectryon macrococcus</i>	Mahoe	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Alsinidendron obovatum</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
<i>Alsinidendron trinerve</i>	None	E	Plant	USARPAC	Schofield Barracks	Onsite	NA
<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	Plant	MTMC	Sunny Point	Contiguous	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on Installation?
<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	ARNG	MO ARNG HQ	Contiguous	NA
<i>Ambystoma californiense</i>	California Tiger Salamander	C(w)	Amphibian	USARC	Fort Hunter Liggett	Onsite	NA
<i>Ambystoma tigrinum stebbinsi</i>	Sonoran Tiger Salamander	E	Amphibian	TRADOC	Fort Huachuca	Onsite	NA
<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	USARPAC ARNG	Dillingham TA STARC - Hawaii	Onsite Onsite	NA NA
<i>Anniella pulchra nigra</i>	Black Legless Lizard	PE	Reptile	TRADOC	POM Annex	Onsite	NA
<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	ARNG	Camp Blanding TS	Onsite	NA
<i>Apios priceana</i>	Price's Potato Bean	T	Plant	FORSCOM AMC	Fort Campbell Redstone Arsenal	Contiguous Onsite	NA NA
<i>Arctomecon humilis</i>	Dwarf Bear Poppy	E	Plant	ARNG	UT ARNG HQ	Onsite	NA
<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	ARNG	MO ARNG HQ	Contiguous	NA
<i>Asplenium fragile var. insulare</i>	Fragile Fern	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>Astragalus jaegerianus</i>	Lane Mountain Milk-vetch	PE	Plant	FORSCOM	Fort Irwin	Onsite	NA
<i>Bonamia menziesii</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
<i>Brachyramphus marmoratus marmoratus</i>	Marbled Murrelet	T	Bird	ARNG	Camp Rilea	Contiguous	NR
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	USARC ARNG	Fort Hunter Liggett STARC HQ	Onsite Onsite	NA NA
<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	USARC ARNG	Fort Hunter Liggett STARC HQ	Onsite Contiguous	NA NA
<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	USARPAC ARNG	Pohakuloa TA STARC - Hawaii	Onsite Onsite	NA NA
<i>Caesalpinia kavaense</i>	Uhiuhi	E	Plant	USARPAC	Makua	Onsite	NA
<i>Canis lupus</i>	Gray Wolf	T	Mammal	ARNG USARC	Camp Ripley Fort McCoy	Onsite Contiguous	No NR
<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	Reptile	MTMC	Sunny Point	Contiguous	NA
<i>Cenchrus agrimonioides</i>	Kamanomano	E	Plant	USARPAC USARPAC	Makua Schofield Barracks	Onsite Onsite	NA NA
<i>Chamaesyce deltoidea ssp. deltoidea</i>	Deltoid Spurge	E	Plant	USARC	Martinez Reserve Center	Onsite	NA
<i>Chamaesyce rockii</i>	Akoko	E	Plant	USARPAC USARPAC USARPAC	Kahuku TA Kawailoa TA Schofield Barracks	Contiguous Onsite Onsite	NA NA NA
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	ARNG TRADOC	Camp Rilea POM Annex	Contiguous Onsite	NA NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Charadrius melodus</i>	Piping Plover	T	Bird	ARNG	Camp Grafton	Onsite	NA
				FORSCOM	Fort Riley	Onsite	NA
				AMC	White Sands	Contiguous	NA
				MTMC	Sunny Point	Contiguous	NA
<i>Charadrius montanus</i>	Mountain Plover	C	Bird	TRADOC	Fort Bliss	NR	NA
				FORSCOM	Fort Carson	Onsite	NA
				FORSCOM	Pinon Canyon	Onsite	NA
				AMC	Rocky Mountain Arsenal	Onsite	NA
				AMC	White Sands	Contiguous	NA
<i>Chasiempis sandwichensis ibidis</i>	Oahu Elepaio	C	Bird	USARPAC	Kahuku TA	Contiguous	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Chelonia mydas</i>	Green Sea Turtle	T	Reptile	MTMC	Sunny Point	Contiguous	NA
<i>Chlorogalum purpureum</i> var. <i>purpureum</i>	Purple Amole	C	Plant	USARC	Fort Hunter Liggett	Onsite	NA
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey Spineflower	T	Plant	TRADOC	POM Annex	Onsite	NA
<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	TRADOC	POM Annex	Onsite	NA
<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek Bog Thistle	E	Plant	ARNG	STARC HQ	Onsite	NA
<i>Clematis hirsutissima</i> var. <i>arizonica</i>	Arizona Leatherflower	C	Plant	ARNG	Camp Navajo	Onsite	NA
<i>Clematis morefieldii</i>	Morefield's Leather-flower	E	Plant	AMC	Redstone Arsenal	Contiguous	NA
<i>Clemmys muhlenbergii</i>	Bog (Northern Population) Turtle	PT	Reptile	AMC	ARDEC (Picatinny)	Contiguous	NA
				AMC	Letterkenny Army Depot	Onsite	NA
<i>Colubrina oppositifolia</i>	Kauila	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Corvus hawaiiensis</i>	Hawaiian Crow	E	Bird	USARPAC	Pohakuloa TA	Contiguous	NA
<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Sneed Pincushin Cactus	E	Plant	TRADOC	Fort Bliss	Onsite	NA
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	USARPAC	Makua	Contiguous	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Cyanea acuminata</i>	Haha	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Cyanea crispa</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha	E	Plant	USARPAC	Kahuku TA	Contiguous	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Cyanea grimesiana</i> <i>ssp. obatae</i>	Haha	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Cyanea koolauensis</i>	Haha	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Cyanea longiflora</i>	Haha	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Cyanea superba</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	ARNG	UT ARNG HQ	Contiguous	NA
<i>Cyperus</i> <i>trachysanthos</i>	Pu'uuka'a	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
				USARPAC	Dillingham TA	Onsite	NA
<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	TRADOC	Fort McClellan	Onsite	NA
<i>Cyrtandra dentata</i>	Ha'iwale	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Cyrtandra</i> <i>subumbellata</i>	Ha'iwale	E	Plant	USARPAC	Schofield Barracks	Onsite	NA
<i>Cyrtandra viridiflora</i>	Ha'iwale	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Delissea subcordata</i>	'Oha	E	Plant	USARPAC	Kawailoa TA	Contiguous	NA
				USARPAC	Makua	Contiguous	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Dendroica</i> <i>chrysoparia</i>	Golden-cheeked	E	Bird	FORSCOM	Fort Hood	Onsite	NA
	Warbler			MEDCOM	Fort Sam Houston	Onsite	NA
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	ARNG	Camp Grayling	Onsite	NA
<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	Reptile	MTMC	Sunny Point	Contiguous	NA
<i>Diellia falcata</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Diplazium</i> <i>molokaiense</i>	None	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Dromus dromas</i>	Dromedary Pearlymussel	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Drymarchon corais</i> <i>couperi</i>	Eastern Indigo	T	Reptile	ARNG	Camp Blanding TS	Onsite	NA
	Snake			FORSCOM	Fort Stewart	Onsite	NA
<i>Dubautia herbastobatae</i>	Na'ena'e	E	Plant	USARPAC	Makua	Onsite	NA
<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	TRADOC	Fort Jackson	Onsite	NA
				ARNG	Leesburg TS	Onsite	NA
				AMC	Radford AAP	Contiguous	NA
<i>Echinocereus fendleri</i> <i>var. kuenzleri</i>	Kuenzler Hedgehog Cactus	E	Plant	TRADOC	Fort Bliss	Contiguous	NA
<i>Empidonax traillii</i> <i>extimus</i>	Southwestern	E	Bird	TRADOC	Fort Bliss	Onsite	NR
	Willow Flycatcher			TRADOC	Fort Huachuca	Contiguous	NR

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				ARNG	State Wide Regulatory/ Programs	Onsite	No
				AMC	White Sands	Contiguous	No
<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Reptile	FORSCOM	Fort Buchanan	Onsite	NA
<i>Epioblasma walkeri</i>	Tan Riffleshell	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Erigeron basalticus</i>	Basalt daisy	C	Plant	FORSCOM	Yakima TC	Onsite	NA
<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	TRADOC	Fort Huachuca	Onsite	NA
<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	FORSCOM	Fort Carson	Onsite	NA
				ARNG	MO ARNG HQ	Contiguous	NA
<i>Etheostoma sellare</i>	Maryland Darter	E	Fish	AMC	Aberdeen PG	Contiguous	No
<i>Eugenia koolauensis</i>	Nioi	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Contiguous	NA
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	TRADOC	POM Annex	Onsite	NA
<i>Euphorbia haelealeana</i>	'Akoko	E	Plant	USARPAC	Makua	Onsite	NA
<i>Falco femoralis</i>	Northern	E	Bird	TRADOC	Fort Bliss	Contiguous	NA
<i>septentrionalis</i>	Aplomado Falcon			AMC	White Sands	Onsite	NA
<i>Falco peregrinus</i>	Peregrine Falcon	E (S/A)	Bird	AMC	Aberdeen PG	Contiguous	NA
				USARC	Devens RFTA	Onsite	NA
				FORSCOM	Fort Campbell	Onsite	NA
				TRADOC	Fort Eustis	Contiguous	NA
				FORSCOM	Fort Hood	Onsite	NA
				TRADOC	Fort Huachuca	Onsite	NA
				USARC	Fort McCoy	Onsite	NA
				FORSCOM	Fort Riley	Onsite	NA
				AMC	Redstone Arsenal	Onsite	NA
				AMC	Rocky Mountain Arsenal	Onsite	NA
				AMC	Sierra Army Depot	Contiguous	NA
				ARNG	State Wide Regulatory/ Programs	Onsite	NA
				AMC	Sunflower AAP	Contiguous	NA
				AMC	White Sands	Onsite	NA
				MTMC	Sunny Point	Contiguous	NA
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	AMC	ARDEC (Picatinny)	Contiguous	No
				ARNG	Camp Navajo	Onsite	No
				ARNG	Camp Smith	Onsite	Yes
				FORSCOM	Chas E. Kelly	Contiguous	No

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				AMC	Deseret Chemical Depot	Contiguous	No
				AMC	Dugway PG	Contiguous	No
				TRADOC	Fort Bliss	Onsite	No
				FORSCOM	Fort Carson	Onsite	No
				USARPAC	Fort Greely	Onsite	No
				USARC	Fort Hunter Liggett	Onsite	No
				USARPAC	Fort Richardson	Onsite	No
				USARPAC	Fort Wainwright	Onsite	No
				FORSCOM	Pinon Canyon	Onsite	NR
				ARNG	STARC - NE	Contiguous	No
				AMC	Tooele Army Depot	Contiguous	NR
				AMC	White Sands	Onsite	No
<i>Felis concolor</i>	Mountain Lion	T (S/A)	Mammal	MTMC	Sunny Point	Onsite	NA
<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	ARNG	Camp Blanding TS	Onsite	NA
<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	USARPAC	Dillingham TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	USARPAC	Dillingham TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Gardenia mannii</i>	Nanu	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Gilia	E	Plant	TRADOC	POM Annex	Onsite	NA
<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	FORSCOM	Fort Irwin	Onsite	Yes
				ARNG	State Wide Regulatory/ Programs	Onsite	No
<i>Gopherus agassizii</i>	Sonoran population of the Desert Tortoise	T (S/A)	Reptile	AMC	Yuma PG	Onsite	No
<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	ARNG	Camp Shelby	Onsite	NA
<i>Grus americana</i>	Whooping Crane	E	Bird	FORSCOM	Fort Hood	Onsite	NR
				ARNG	STARC - NE	Contiguous	Yes
				AMC	White Sands	Contiguous	No
<i>Gymnogyps californianus</i>	California Condor	E	Bird	USARC	Fort Hunter Liggett	Onsite	NA
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	AMC	Aberdeen PG	Onsite	NA
				AMC	Adelphi Army Research Labs	Onsite	NA
				AMC	ARDEC (Picatinny)	Contiguous	NA
				ARNG	Camp Blanding TS	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				ARNG	Camp Grafton	Contiguous	NA
				ARNG	Camp Grayling	Onsite	NA
				ARNG	Camp Guernsey	Contiguous	NA
				ARNG	Camp Joseph T. Robinson	Onsite	NA
				ARNG	Camp Murray	Onsite	NA
				ARNG	Camp Navajo	Onsite	NA
				ARNG	Camp Rilea	Onsite	NA
				ARNG	Camp Ripley	Onsite	NA
				ARNG	Camp Smith	Onsite	NA
				FORSCOM	Chas E. Kelly	Contiguous	NA
				AMC	Deseret Chemical Depot	Onsite	NA
				USARC	Devens RFTA	Onsite	NA
				AMC	Dugway PG	Onsite	NA
				MDW	Fort A.P. Hill	Onsite	NA
				MDW	Fort Belvoir	Onsite	NA
				TRADOC	Fort Benning	Onsite	NA
				TRADOC	Fort Bliss	Onsite	NA
				FORSCOM	Fort Campbell	Onsite	NA
				FORSCOM	Fort Carson	Onsite	NA
				TRADOC	Fort Eustis	Onsite	NA
				TRADOC	Fort Gordon	Onsite	NA
				FORSCOM	Fort Hood	Onsite	NA
				USARC	Fort Hunter Liggett	Onsite	NA
				TRADOC	Fort Jackson	Onsite	NA
				TRADOC	Fort Knox	Onsite	NA
				TRADOC	Fort Lee	Onsite	NA
				TRADOC	Fort Leonard Wood	Onsite	NA
				FORSCOM	Fort Lewis	Onsite	NA
				USARC	Fort McCoy	Onsite	NA
				FORSCOM	Fort Riley	Onsite	NA
				TRADOC	Fort Rucker	Contiguous	NA
				FORSCOM	Fort Stewart	Onsite	NA
				AMC	Holston AAP	Onsite	NA
				ARNG	MO ARNG HQ	Onsite	NA
				AMC	Newport Chemical Activity	Onsite	NA
				AMC	Pine Bluff Arsenal	Onsite	NA
				FORSCOM	Pinon Canyon	Onsite	NA
				AMC	Ravenna AAP	Contiguous	NA
				AMC	Redstone Arsenal	Onsite	NA
				AMC	Rock Island Arsenal	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				AMC	Rocky Mountain Arsenal	Onsite	NA
				AMC	Savanna Army Depot Activity	Onsite	NA
				AMC	Sierra Army Depot	Contiguous	NA
				ARNG	STARC HQ	Onsite	NA
				ARNG	State Wide Regulatory/ Programs	Onsite	NA
				AMC	Sunflower AAP	Contiguous	NA
				MTMC	Sunny Point	Contiguous	NA
				AMC	Tooele Army Depot	Onsite	NA
				AMC	Twin Cities AAP	Onsite	NA
				USMA	West Point	Onsite	NA
				AMC	White Sands	Onsite	NA
				FORSCOM	Yakima TC	Onsite	NA
<i>Haplostachys</i>	None	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>haplostachya</i>				ARNG	STARC - Hawaii	Onsite	NA
<i>Hedeoma todsenii</i>	Todsen's Pennyroyal	E	Plant	AMC	White Sands	Onsite	No
				TRADOC	Fort Bliss	Contiguous	NR
<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>Hedyotis parvula</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
<i>Helianthus eggertii</i>	Eggert's Sunflower	T	Plant	ARNG	Tulahoma TS	Onsite	NA
<i>Helonias bullata</i>	Swamp Pink	T	Plant	MDW	Fort A.P. Hill	Onsite	NA
<i>Hemignathus munroi</i>	'Akiapola'au	E	Bird	USARPAC	Pohakuloa TA	Onsite	NA
<i>Hesperomannia arborescens</i>	None	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Hibiscus brackenridgei</i>	Ma'o Hau Hele	E	Plant	USARPAC	Dillingham TA	Contiguous	NA
<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	USARPAC	Dillingham TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Howellia aquatilis</i>	Water Howellia	T	Plant	FORSCOM	Fort Lewis	Onsite	NA
<i>Hymenoxys texana</i>	Texas Prairie Dawn-flower	E	Plant	ARNG	STARC - TX	Onsite	NA
<i>Isodendron hosakae</i>	Aupaka	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Isodendron laurifolium</i>	Aupaka	E	Plant	USARPAC	Schofield Barracks	Onsite	NA
<i>Isoetes louisianensis</i>	Louisiana Quillwort	E	Plant	ARNG	Camp Shelby	Onsite	NA
<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	Plant	MDW	Fort A.P. Hill	Onsite	NA
				ARNG	Regional Training Institute	Contiguous	NA
<i>Labordia cyrtandrae</i>	Kamakahala	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Lampsilis abrupta</i>	Pink Mucket	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
	Pearlymussel			ARNG	MO ARNG HQ	Contiguous	NA
<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	AMC	Rock Island Arsenal	Contiguous	NA
				AMC	Savanna Army Depot Activity	Onsite	NA
<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Pohakuloa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Lepidium arbuscula</i>	Anaunau	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	Reptile	MTMC	Sunny Point	Contiguous	NA
<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-nosed Bat	E	Mammal	TRADOC	Fort Huachuca	Onsite	NA
<i>Lespedeza leptostachya</i>	Prairie Bush-clover	T	Plant	AMC	Badger AAP	Contiguous	NA
<i>Lilaeopsis schaffneriana ssp. recurva</i>	Huachuca Water-umbel	E	Plant	TRADOC	Fort Huachuca	Onsite	NA
<i>Lindera melissifolia</i>	Pondberry	E	Plant	ARNG	MO ARNG HQ	Contiguous	NA
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	USARPAC	Makua	Onsite	NA
<i>Lipochaeta venosa</i>	None	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Lobelia gaudichaudii ssp. koolauensis</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Lobelia niihauensis</i>	None	E	Plant	USARPAC	Makua	Contiguous	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Lobelia oahuensis</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Loxioides bailleui</i>	Palila	E	Bird	USARPAC	Pohakuloa TA	Onsite	NA
<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	USARPAC	Pohakuloa TA	Contiguous	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	USARC	Fort McCoy	Onsite	NA
				ARNG	State Military Reservation	Contiguous	NA
<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	FORSCOM	Fort Bragg	Onsite	NA
				TRADOC	Fort Jackson	Onsite	NA
				ARNG	Leesburg TS	Onsite	NA
				MTMC	Sunny Point	Onsite	NA
<i>Macrhybopsis gelida</i>	Sturgeon Chub	C	Fish	ARNG	MO ARNG HQ	Contiguous	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	PE	Insect	ARNG	STARC - Hawaii	Onsite	NA
<i>Marshallia mohrii</i>	Mohr's Barbara's Buttons	T	Plant	TRADOC	Fort McClellan	Onsite	NA
<i>Melicope lydgatei</i>	Alani	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	USARPAC	Dillingham TA	Onsite	No
<i>Mycteria americana</i>	Wood Stork	E	Bird	ARNG	Camp Blanding TS	Onsite	NA
				TRADOC	Fort Benning	Onsite	NA
				TRADOC	Fort Gordon	Onsite	NA
				FORSCOM	Fort Stewart	Onsite	NA
<i>Mycteria americana</i>	Wood Stork	E	Bird	MTMC	Sunny Point	Contiguous	NA
<i>Myotis grisescens</i>	Gray Bat	E	Mammal	FORSCOM	Fort Campbell	Contiguous	NA
				TRADOC	Fort Knox	Onsite	NA
				TRADOC	Fort Leonard Wood	Onsite	NA
				TRADOC	Fort McClellan	Onsite	NA
				TRADOC	Fort Rucker	Contiguous	NA
				AMC	Indiana AAP	Onsite	NA
				ARNG	MO ARNG HQ	Onsite	NA
				AMC	Redstone Arsenal	Onsite	NA
				ARNG	Tulahoma TS	Contiguous	NA
				ARNG	Wendell H. Ford Regional TS	Onsite	NA
<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	AMC	ARDEC (Picatinny)	Onsite	No
				FORSCOM	Fort Campbell	Contiguous	NR
				TRADOC	Fort Knox	Onsite	No
				TRADOC	Fort Leonard Wood	Onsite	No
				AMC	Jefferson PG	Onsite	NR
				ARNG	MO ARNG HQ	Contiguous	NR
				AMC	Newport Chemical Activity	Onsite	No
				AMC	Redstone Arsenal	Contiguous	NR
				AMC	Savanna Army Depot Activity	Contiguous	NR
				ARNG	Stout Field/OMS 5 (Atterbury T.S.)	Onsite	No
<i>Myrsine juddii</i>	Kolea	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	FORSCOM	Fort Bragg	Onsite	NA
<i>Neraudia angulata</i>	Ma'aloa	E	Plant	USARPAC	Makua	Onsite	NA
<i>var. angulata</i>				USARPAC	Schofield Barracks	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on Installation?
<i>Neraudia angulata</i> <i>var. dentata</i>	Ma'aloa	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Neraudia ovata</i>	None	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>Nerodia erythrogaster</i> <i>neglecta</i>	Copperbelly Water Snake	T	Reptile	FORSCOM	Fort Campbell	Contiguous	NA
<i>Nesochen</i> <i>sandvicensis</i>	Hawaiian Goose	E	Bird	USARPAC	Pohakuloa TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Nicrophorus</i> <i>americanus</i>	American Burying Beetle	E	Insect	ARNG	Camp Gruber	Onsite	NA
				TRADOC	Fort Chaffee	Onsite	NA
				AMC	McAlester AAP	Onsite	NA
				ARNG	MO ARNG HQ	Contiguous	NA
				ARNG	STARC - KS	Onsite	NA
<i>Nothocestrum</i> <i>breviflorum</i>	'Aiea	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Nototrichium humile</i>	Kulu'i	E	Plant	USARPAC	Dillingham TA	Onsite	NA
				USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Notropis topeka</i>	Topeka Shiner	C	Fish	FORSCOM	Fort Riley	Onsite	NA
				ARNG	MO ARNG HQ	Contiguous	NA
<i>Obovaria retusa</i>	Ring Pink Mussel	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Oncorhynchus clarki</i> <i>stomias</i>	Greenback Cutthroat Trout	T	Fish	FORSCOM	Fort Carson	Onsite	NA
<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	USARPAC	Pohakuloa TA	Contiguous	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Ottoschulzia</i> <i>rhodoxylon</i>	Palo de Rosa	E	Plant	FORSCOM	Fort Buchanan	Onsite	NA
<i>Palaemonias</i> <i>alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	AMC	Redstone Arsenal	Onsite	NA
<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Pelecanus occidentalis</i>	Brown Pelican	E	Bird	ARNG	Camp Rilea	Contiguous	NA
<i>Phlegmariurus nutans</i>	Wawae'iole	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Phyllostegia hirsuta</i>	None	E	Plant	USARPAC	Kahuku TA	Contiguous	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Phyllostegia mollis</i>	None	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Phyllostegia parviflora</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	ARNG	Camp Beauregard	Contiguous	NA
				ARNG	Camp Blanding TS	Onsite	NA
				ARNG	Camp Shelby	Contiguous	NA
				TRADOC	Fort Benning	Onsite	NA
				FORSCOM	Fort Bragg	Onsite	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				TRADOC	Fort Gordon	Onsite	NA
				TRADOC	Fort Jackson	Onsite	NA
				TRADOC	Fort McClellan	Contiguous	NA
				FORSCOM	Fort Polk	Onsite	NA
				FORSCOM	Fort Stewart	Onsite	NA
				ARNG	Leesburg TS	Onsite	NA
				MTMC	Sunny Point	Onsite	NA
<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	TRADOC	POM Annex	Onsite	NA
<i>Plantago princeps</i> var. <i>longibracteata</i>	Laukahi Kuahiwi	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwi	E	Plant	USARPAC	Makua	Onsite	NA
<i>Platanthera holochila</i>	None	E	Plant	USARPAC	Kawailoa TA	Contiguous	NA
<i>Plethobasus cooperianus</i>	Orange-foot Pimple Back Pearl mussel	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Pleurobema plenum</i>	Rough Pigtoe	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Polygyris virgatus</i>	Virginia Fringed Mountain Snail	E	Snail	AMC	Radford AAP	Onsite	NA
<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Pritchardia kaalae</i>	Loulu	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Psittirostra psittacea</i>	O'u	E	Bird	USARPAC	Pohakuloa TA	Contiguous	NA
<i>Pteris lidgatei</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Pterodroma phaeopygia sandwichensis</i>	Hawaiian Dark- rumped Petrel	E	Bird	USARPAC	Pohakuloa TA	Contiguous	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	ARNG	Lil Aaron Straus Wilderness Area	Onsite	NA
<i>Puffinus auricularis newelli</i>	Newell's Townsend's Shearwater	T	Bird	ARNG	STARC - Hawaii	Onsite	NA
<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	Snail	TRADOC	Fort Huachuca	Onsite	NA
<i>Quadrula fragosa</i>	Winged Mapleleaf Mussel	E	Clam	FORSCOM	Fort Campbell	Contiguous	NA
<i>Rana aurora draytoni</i>	California Red- legged Frog	PE	Amphibian	USARC	Fort Hunter Liggett	Contiguous	NA
				USARC	Parks RFTA	Onsite	NA
				TRADOC	POM Annex	Contiguous	NA
				ARNG	STARC HQ	Onsite	NA
<i>Rana pretiosa</i>	Oregon Spotted Frog	C(w)	Amphibian	AMC	Dugway PG	Contiguous	NA
				FORSCOM	Fort Lewis	Contiguous	NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Rhododendron chapmanii</i>	Chapman Rhododendron	E	Plant	ARNG	Camp Blanding TS	Onsite	NA
<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	FORSCOM ARNG	Fort Bragg Fort Pickett-MATES	Onsite Onsite	NA NA
<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	TRADOC	Fort Huachuca	Onsite	NA
<i>Sanicula mariversa</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
<i>Sanicula purpurea</i>	None	E	Plant	USARPAC USARPAC	Kawailoa TA Schofield Barracks	Onsite Onsite	NA NA
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	ARNG ARNG	MO ARNG HQ STARC - NE	Contiguous Contiguous	NA NA
<i>Schiedea adamantis</i>	Diamond Head Schiedea	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Schiedea hookeri</i>	None	E	Plant	USARPAC USARPAC	Makua Schofield Barracks	Onsite Onsite	NA NA
<i>Schiedea kealiae</i>	Ma`oli`oli	E	Plant	USARPAC	Dillingham TA	Onsite	NA
<i>Schiedea nuttallii</i>	None	E	Plant	USARPAC USARPAC	Makua Schofield Barracks	Onsite Contiguous	NA NA
<i>Schwalbea americana</i>	American Chaffseed	E	Plant	FORSCOM	Fort Bragg	Onsite	NA
<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	AMC	Volunteer AAP	Onsite	NA
<i>Sesbania tomentosa</i>	`Ohai	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Sidalcea nelsoniana</i>	Nelson's Checker-mallow	T	Plant	ARNG	Camp Adair	Onsite	NA
<i>Silene hawaiiensis</i>	None	T	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>Silene lanceolata</i>	None	E	Plant	USARPAC USARPAC	Makua Pohakuloa TA	Onsite Onsite	NA NA
<i>Solanum incompletum</i>	Popolo Ku Mai	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
<i>Solanum sandwicense</i>	Popolo `Aiakeakua	E	Plant	USARPAC USARPAC	Kahuku TA Schofield Barracks	Contiguous Contiguous	NA NA
<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	ARNG	Camp Grayling	Onsite	NA
<i>Spermolepis hawaiiensis</i>	None	E	Plant	USARPAC USARPAC ARNG	Makua Pohakuloa TA STARC - Hawaii	Onsite Onsite Onsite	NA NA NA
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	ARNG	Camp Rilea	Onsite	NR
<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	FORSCOM	Fort Carson	Contiguous	NA
<i>Stenogyne angustifolia</i>	None	E	Plant	USARPAC ARNG	Pohakuloa TA STARC - Hawaii	Onsite Onsite	NA NA
<i>Stenogyne kanehoana</i>	None	E	Plant	USARPAC	Schofield Barracks	Contiguous	NA
<i>Sterna antillarum</i>	Least Tern	E	Bird	FORSCOM ARNG	Fort Riley MO ARNG HQ	Onsite Onsite	NA NA

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
				ARNG	STARC - NE	Contiguous	NA
				AMC	White Sands	Onsite	NA
<i>Sterna dougallii</i> <i>dougallii</i>	Roseate Tern	T	Bird	MTMC	Sunny Point	Contiguous	NA
<i>Strix occidentalis</i> <i>caurina</i>	Northern Spotted Owl	T	Bird	ARNG	Camp Adair	Contiguous	NR
				ARNG	Camp Rilea	Contiguous	NR
				FORSCOM	Fort Lewis	Contiguous	Yes
<i>Strix occidentalis</i> <i>lucida</i>	Mexican Spotted Owl	T	Bird	ARNG	Camp Navajo	Onsite	No
				TRADOC	Fort Bliss	Onsite	No
				FORSCOM	Fort Carson	Onsite	No
				TRADOC	Fort Huachuca	Onsite	NR
				AMC	White Sands	Contiguous	Yes
<i>Tetramolopium</i> <i>arenarium</i>	None	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Tetramolopium</i> <i>filiforme</i>	None	E	Plant	USARPAC	Makua	Onsite	NA
<i>Tetramolopium</i> <i>lepidotum</i> ssp. <i>lepidotum</i>	None	E	Plant	USARPAC	Makua	Contiguous	NA
				USARPAC	Schofield Barracks	Contiguous	NA
<i>Tetraplasandra</i> <i>gymnocarpa</i>	'Ohe'ohe	E	Plant	USARPAC	Kahuku TA	Onsite	NA
				USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Thalictrum cooleyi</i>	Cooley's Meadowrue	E	Plant	MTMC	Sunny Point	Contiguous	NA
<i>Trichechus manatus</i>	West Indian Manatee	E	Mammal	MTMC	Sunny Point	Contiguous	No
<i>Trifolium stoloniferum</i>	Running Buffalo Clover	E	Plant	AMC	Blue Grass Army Depot	Onsite	NA
<i>Trillium reliquum</i>	Relict Trillium	E	Plant	TRADOC	Fort Benning	Onsite	NA
<i>Urera kaalae</i>	Opuhe	E	Plant	USARPAC	Schofield Barracks	Onsite	NA
<i>Ursus americanus</i> <i>floridanus</i>	Florida Black Bear	C(w)	Mammal	ARNG	Camp Blanding TS	Onsite	NA
<i>Vigna o-wahuensis</i>	None	E	Plant	ARNG	STARC - Hawaii	Onsite	NA
<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	USARPAC	Makua	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Viola oahuensis</i>	None	E	Plant	USARPAC	Kawailoa TA	Onsite	NA
				USARPAC	Schofield Barracks	Onsite	NA
<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	FORSCOM	Fort Hood	Onsite	NA
				MEDCOM	Fort Sam Houston	Onsite	NA
				TRADOC	Fort Sill	Onsite	NA
				ARNG	STARC - TX	Onsite	NA
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	USARC	Fort Hunter Liggett	Onsite	NR
				ARNG	STARC HQ	Onsite	NR

Scientific Name	Common Name	Fed Stat	Category	MACOM	Installation	Onsite/ Contiguous	Critical Habitat on installation?
<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	USARC	Fort Hunter Liggett	Onsite	NA
				USARC	Parks RFTA	Contiguous	NA
				ARNG	STARC HQ	Onsite	NA
<i>Vulpes velox</i>	Swift Fox	C(w)	Mammal	ARNG	STARC - NE	Contiguous	NA
				FORSCOM	Pinon Canyon	Onsite	NA
<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	AMC	Anniston Army Depot	Onsite	NA
				TRADOC	Fort McClellan	Onsite	NA
<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	USARPAC	Pohakuloa TA	Onsite	NA
				ARNG	STARC - Hawaii	Onsite	NA
<i>Zapus hudsonius preblei</i>	Preble's Meadow Jumping Mouse	PE	Mammal	FORSCOM	Fort Carson	Contiguous	NA

USACERL DISTRIBUTION

Chief of Engineers

ATTN: CEHEC-IM-LH (2)
ATTN: CEHEC-IM-LP (2)
ATTN: CECC-R
ATTN: CERD-L
ATTN: CERD-M

SFIM-AEC-ECN (50)

US Army Training and Doctrine Command
ATTN: ATBO-SE

HQ, TRADOC

ATTN: ATBO-FN (14)

Personnel and Installation Management
ATTN: AFPI-ENE

US Army Materiel Command
Installation & Services Activity
ATTN: AMXEN-M (28)

HQ Air Force Center for Environmental Excellence
ATTN: HQ AFCEE/ECR

SERDP

ATTN: Conservation Program Manager

Office of the Under Secretary of Defense
ATTN: 300 Defense Pentagon (2)

HQDA

ATTN: DAIM-ED-N

U.S. Fish And Wildlife Service
Recovery And Consultation Branch
ATTN: ARLSQ 452

HQ, U.S. Army, Pacific
ATTN: APEN-E (9)

Department Of Army-Environmental
Programs Directorate
ATTN: NGB-ARE-C (31)

Assistant Secretary of the Army
ATTN: Installations, Logistics,
and Environment

US Army Medical Command
ATTN: MCFA-E

Military Traffic Command
ATTN: MTPAL-FE

US Army Military District Of Washington
ATTN: ANEN-ES (2)

HQDA EODESOPS
ATTN: DAMO-TRS

US Army, Department Of Army
Dep. Chief Of Staff- Operations & Plans
ATTN: DAMO-TRO

Commander FORSCOM
ATTN: AFOP-TE (13)

US Army Materiel Command
Installation & Services Activity
ATTN: AMXEN-U

ATSC

ATTN: ATIC-CTS

Department Of Army
Environmental Programs Directorate
ATTN: NGB-ILE-EC (2)

HQ USARCOM
ATTN: AFRC-ENP-NC (5)

US Military Academy
ATTN: MAEN-ED

Defense Tech Info Center 22304
ATTN: DTIC-O (2)

179
07/98